Subject Index, 1944-45

ACCELERATED PROGRAMS IN MECHANICAL ENGINEERING. D. L. Arm.....9, 500
ACCREDITING OF AGRICULTURAL ENGINEERING CURRICULA. R. A. Seaton.....1, 67
ACCREDITING OF A.S.T.P., E.S.M.W.T., V-12, AND ARMY INSTITUTE CREDITS. A. J. Brumbaugh.....4, 262
ADAPTATION OF COÖPERATIVE METHODS TO RAILROADS. H. J. Hoglund...7, 414
ADDRESS. Raymond Walters.....1, 15
ADMINISTRATIVE DIVISION, SEMI ANNUAL REPORT. A. A. Potter.....5, 311
AERONAUTICS OPTION IN CIVIL ENGINEERING. A. S. Niles.....7, 371
AERO-MEDICAL COURSES AND THEIR RELATION TO ENGINEERING, SCOPE AND AIMS OF CIVILIAN. F. R. Stegerda and M. K. Fahnestock.....9, 522
AERONAUTICAL ENGINEERING TRAINING, UTILIZATION OF INDUSTRIAL REFERENCE MATERIAL IN. M. J. Thompson.....9, 526
AGRICULTURAL ENGINEERING CURRICULA, ACCREDITING OF. R. A. Seaton.....1, 67
AGRICULTURAL ENGINEERING, REPORT ON.....2, 84
AGRICULTURAL ENGINEERING. J. B. Davidson.....3, 227
ALGEBRAIC EQUATIONS, SLIDE RULE APPLICATIONS TO. A. R. Weber..9, 507
AMERICAN COUNCIL ON EDUCATION.....2, 83
AMPLITUDE OF A STEADY FORCED VIBRATION. H. C. Perkins.....2, 128
ANALYSIS, TEACHING METHODS IN ENGINEERING. B. R. Teare.....10, 599
ANNUAL MEETING, MINUTES OF 52ND..1, 24
APPLICATIONS, TEACHING METHODS IN ENGINEERING. F. T. Mavis and F. W. Edwards.....10, 605
ARMED FORCES INSTITUTE AND THE PROBLEM OF CREDITS EARNED UNDER THIS AND A.S.T. PROGRAM. W. R. Bryans.....2, 119
ARMED SERVICES, GUIDE TO EVALUATION OF EDUCATIONAL EXPERIENCES...8, 479
ARMY INSTITUTE CREDITS, ACCREDITING OF A.S.T.P., E.S.M.W.T., V-12, AND. A. J. Brumbaugh.....4, 262
A.S.T.P. EXPERIENCES. W. W. Colvert.9, 503
A.S.T.P., E.S.M.W.T., V-12, AND ARMY INSTITUTE CREDITS, ACCREDITING OF. A. J. Brumbaugh.....4, 262
AUTHOR! AUTHOR! E. P. Hamilton...3, 212

BASIC CONSIDERATIONS IN A PROGRAM OF FRESHMAN EVALUATION. K. W. Vaughn.....3, 161
BIRTHDAY OF AN OCTOGENARIAN. D. C. Jackson.....8, 478
BRITISH THINKING ON ENGINEERING ECONOMY. R. C. Putnam.....5, 329

CANCELLATION OF 1945 MEETING.....8, 431
CARNEGIE SOCIAL RELATIONS PROGRAM. G. U. Cleeton.....2, 146
CASE FOR THE FIVE-YEAR CURRICULUM, THE. F. L. Wilkinson.....10, 577
CASTIGLIANO THEOREM AND THE REQUIREMENT THAT DISPLACEMENTS BE LINEAR FUNCTIONS OF THE LOADS. H. C. Perkins.....7, 302
CHEMICAL ENGINEERING, PROFESSIONAL REQUIREMENTS AND GROWTH OF THE TEACHING STAFF IN. C. F. Bonilla.....2, 105
CHEMICAL ENGINEERING, REPORT ON..2, 84
CHEMICAL ENGINEER, PATENTS AND THE. E. S. Allen.....8, 462
CHEMICAL ENGINEERING FROM THE STANDPOINT OF THE USER OF CHEMICAL ENGINEERING TALENT. R. B. Willenberg.....9, 515
CHEMICAL ENGINEERING, RANDOM IDEAS IN THE TEACHING OF. G. W. Gleeson.....9, 530
CIVIL ENGINEERING, AN AERONAUTICAL OPTION IN.. A. S. Niles.....7, 371
COLLEGE NOTES.....3, 242; 5, 359
COLLEGES HELP RETURNED VETERANS, ENGINEERING. R. L. Sackett....7, 421
COMING PRIORITY FOR ENGINEERING, THE. F. V. Geier.....1, 59
COMMENTS ON FUTURE OF ENGINEERING EDUCATION. A. H. Blaisdell.....3, 205
COMPENSATION OF MANAGERS. D. B. Prentice.....8, 437
COMPREHENSIVE EXAMINATIONS. R. H. Frazier.....3, 184

Subject Index, 1944-45

ACCELERATED PROGRAMS IN MECHANICAL ENGINEERING. D. L. Arm.....9, 500
ACCREDITING OF AGRICULTURAL ENGINEERING CURRICULA. R. A. Seaton.....1, 67
ACCREDITING OF A.S.T.P., E.S.M.W.T., V-12, AND ARMY INSTITUTE CREDITS. A. J. Brumbaugh.....4, 262
ADAPTATION OF COÖPERATIVE METHODS TO RAILROADS. H. J. Hoglund...7, 414
ADDRESS. Raymond Walters.....1, 15
ADMINISTRATIVE DIVISION, SEMI ANNUAL REPORT. A. A. Potter.....5, 311
AERONAUTICS OPTION IN CIVIL ENGINEERING. A. S. Niles.....7, 371
AERO-MEDICAL COURSES AND THEIR RELATION TO ENGINEERING, SCOPE AND AIMS OF CIVILIAN. F. R. Stegerda and M. K. Fahnestock.....9, 522
AERONAUTICAL ENGINEERING TRAINING, UTILIZATION OF INDUSTRIAL REFERENCE MATERIAL IN. M. J. Thompson.....9, 526
AGRICULTURAL ENGINEERING CURRICULA, ACCREDITING OF. R. A. Seaton.....1, 67
AGRICULTURAL ENGINEERING, REPORT ON.....2, 84
AGRICULTURAL ENGINEERING. J. B. Davidson.....3, 227
ALGEBRAIC EQUATIONS, SLIDE RULE APPLICATIONS TO. A. R. Weber..9, 507
AMERICAN COUNCIL ON EDUCATION.....2, 83
AMPLITUDE OF A STEADY FORCED VIBRATION. H. C. Perkins.....2, 128
ANALYSIS, TEACHING METHODS IN ENGINEERING. B. R. Teare.....10, 599
ANNUAL MEETING, MINUTES OF 52ND..1, 24
APPLICATIONS, TEACHING METHODS IN ENGINEERING. F. T. Mavis and F. W. Edwards.....10, 605
ARMED FORCES INSTITUTE AND THE PROBLEM OF CREDITS EARNED UNDER THIS AND A.S.T. PROGRAM. W. R. Bryans.....2, 119
ARMED SERVICES, GUIDE TO EVALUATION OF EDUCATIONAL EXPERIENCES...8, 479
ARMY INSTITUTE CREDITS, ACCREDITING OF A.S.T.P., E.S.M.W.T., V-12, AND. A. J. Brumbaugh.....4, 262
A.S.T.P. EXPERIENCES. W. W. Colvert.9, 503
A.S.T.P., E.S.M.W.T., V-12, AND ARMY INSTITUTE CREDITS, ACCREDITING OF. A. J. Brumbaugh.....4, 262
AUTHOR! AUTHOR! E. P. Hamilton...3, 212

BASIC CONSIDERATIONS IN A PROGRAM OF FRESHMAN EVALUATION. K. W. Vaughn.....3, 161
BIRTHDAY OF AN OCTOGENARIAN. D. C. Jackson.....8, 478
BRITISH THINKING ON ENGINEERING ECONOMY. R. C. Putnam.....5, 329

CANCELLATION OF 1945 MEETING.....8, 431
CARNEGIE SOCIAL RELATIONS PROGRAM. G. U. Cleeton.....2, 146
CASE FOR THE FIVE-YEAR CURRICULUM, THE. F. L. Wilkinson.....10, 577
CASTIGLIANO THEOREM AND THE REQUIREMENT THAT DISPLACEMENTS BE LINEAR FUNCTIONS OF THE LOADS. H. C. Perkins.....7, 302
CHEMICAL ENGINEERING, PROFESSIONAL REQUIREMENTS AND GROWTH OF THE TEACHING STAFF IN. C. F. Bonilla.....2, 105
CHEMICAL ENGINEERING, REPORT ON..2, 84
CHEMICAL ENGINEER, PATENTS AND THE. E. S. Allen.....8, 462
CHEMICAL ENGINEERING FROM THE STANDPOINT OF THE USER OF CHEMICAL ENGINEERING TALENT. R. B. Willenberg.....9, 515
CHEMICAL ENGINEERING, RANDOM IDEAS IN THE TEACHING OF. G. W. Gleeson.....9, 530
CIVIL ENGINEERING, AN AERONAUTICAL OPTION IN.. A. S. Niles.....7, 371
COLLEGE NOTES.....3, 242; 5, 359
COLLEGES HELP RETURNED VETERANS, ENGINEERING. R. L. Sackett....7, 421
COMING PRIORITY FOR ENGINEERING, THE. F. V. Geier.....1, 59
COMMENTS ON FUTURE OF ENGINEERING EDUCATION. A. H. Blaisdell.....3, 205
COMPENSATION OF MANAGERS. D. B. Prentice.....8, 437
COMPREHENSIVE EXAMINATIONS. R. H. Frazier.....3, 184

Coöperative Relations Between Universities and Railroads, Development of Better. R. E. Dougherty....8, 454
Coöperative Method to Railroads, Adaptation of. H. J. Hoglund..7, 414
Coöperative Education in Colleges and Universities. L. F. Smith.7, 395
Coöperative Engineering Education, Selection and Guidance Aspects of. R. C. Gowdy....3, 187
Coördination of Work in Physics, Mathematics, and Electrical Engineering Staffs. E. A. Guillemin....7, 401
Council Meetings, Minutes of....1, 15
Curriculum and Procedure for the Returned Service Man with Partial Undergraduate Education? What. J. S. Prior....2, 125
Curriculum Revisions at Massachusetts Institute of Technology. J. R. Killian....3, 237

Derivation of Certain Formulas, On the. Neil Little....8, 470
Development of Better Coöperative Relations Between the Universities and the Railroads. R. E. Dougherty....8, 454
Direct Velocity Construction of Kinematic Chains. G. F. Bush.4, 285
Discovery of Engineering Talent. R. L. Sackett....3, 180
Disposal of Surplus Manufacturing Equipment from the Machine Tool Builder's Viewpoint. W. W. Tangeman....10, 596
Division of Administrative Officers of Engineering Colleges. A. A. Potter....5, 311; 8, 432
Division of Educational Methods..3, 246
Drawing, S.P.E.E. Summer School for Teachers of Engineering, 1945.2, 155
Drawing and Descriptive Geometry, Report on....2, 89

Economy, British Thinking on Engineering. R. C. Putnam....5, 329
Economic Consciousness, An. Frank Sanford....9, 546
E.C.P.D. Initiate Coöperation in Professional Development, S.P.E.E. and. I. C. Crawford and C. F. Scott....3, 221
Engineers' Council for Professional Development....8, 479
Educational Methods, Division of.3, 246
Education for Post-War Industry. R. E. Orton....2, 135
Education of an Engineer. A. R. Stevenson and K. B. McEachron.4, 275
Editorial. N. W. Dougherty....3, 159
Electrical Engineering, Report on.2, 89
Electrical Engineering Staffs, Coördinate Work of Physics, Mathematics and. E. A. Guillemin...7, 401
Electron Microscope, RCA. P. C. Smith....7, 382
Electronics, RCA and Industrial. F. W. Weutker....7, 390
Engineers, The Lost Generations of. W. B. Plank....9, 495
Engineering, The Coming Priority for. F. V. Geier....1, 59
Engineering Profession Tomorrow, The. R. E. Doherty....1, 8
Engineering Education After the War, Report on:
Discussion. H. J. Gilkey....5, 332
Humanistic-Social Stem. W. E. Wickenden....1, 45
Scientific-Technological Stem. H. S. Rogers....1, 43
Summary. H. P. Hammond....1, 36
Discussion....1, 49
Engineering—A Profession. L. M. Gram....2, 114
Engineering Education, Comments on Future of. A. H. Blaisdell..3, 205
The Future in. E. G. Bailey....3, 192
Some Revisions of. Alan Hazeltine 3, 233
Approaches a Crossroads. L. E. Grinter....5, 318
The Phoenix—A Challenge to. W. L. Everitt....5, 321
Engineering: Retrospect and Prospect. Frank B. Jewett....4, 269
Engineer, Education of an. A. R. Stevenson and K. B. McEachron...4, 275
Engineering Colleges, Civilian Enrollment in 1944–45....4, 296
Engineering Educators, The Post-War Challenge to. H. S. Rogers....4, 250
Engineering Extension Legislation. J. O. Keller....8, 441
English, Report on....2, 94
Enrollment (Civilian) in Engineering Colleges 1944–45....4, 296
Enrollment in Engineering Colleges, Comparative....4, 308
E.S.M.W.T., V-12, and Army Institute Credits, Accrediting of A.S.T.P. A. J. Brumbaugh....4, 262

EVENING EDUCATION. POST-WAR UNDERGRADUATE. H. R. Beatty....4, 288
EVENING ENGINEERING EDUCATION, REPORT ON....2, 95
EXAMINATIONS, COMPREHENSIVE. R. G. Frazier....3, 184
EXAMINATION FOR MECHANICS, A PLACEMENT. W. E. Wilson....9, 537

FIVE-YEAR CURRICULUM, A CASE FOR. F. L. Wilkinson....10, 577
FOREIGN LANDS, INTERNATIONAL RELATIONS INVOLVING TRAINING OF STUDENTS FROM. S. S. Steinberg....4, 258
FOREIGN STUDENTS, POST-WAR EDUCATION OF. R. C. Disque....10, 587
FORMULAS, ON THE DERIVATION OF CERTAIN. Neil Little....8, 470
FRESHMAN EVALUATION, BASIC CONSIDERATIONS IN A PROGRAM OF. K. W. Vaughn....3, 161
FUTURE IN ENGINEERING EDUCATION, THE. E. G. Bailey....3, 192

GRADUATE STUDY IN ENGINEERING, A MANUAL....10, 615
GUIDE TO THE EVALUATION OF EDUCATIONAL EXPERIENCES IN THE ARMED SERVICES....8, 479

HIGHLIGHTS OF HISTORY OF THE SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION. H. S. Rogers. Year Book
HISTORY OF THE SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION, HIGHLIGHTS OF. H. S. Rogers. Year Book
HUMANISTIC-SOCIAL STEM. W. E. Wickenden....1, 45
HUMANITIES, CONFERENCE ON....2, 83

INDUSTRY, EDUCATION FOR POST-WAR. R. E. Orton....2, 135
INDUSTRIAL RESEARCH CURRICULUM REQUIREMENTS. G. E. Ziegler....7, 420
INDUSTRY, POST-WAR PLANS FOR COÖPERATION BETWEEN ENGINEERING SCHOOLS AND THE AIRCRAFT. A. S. Levens....8, 450
INDUSTRY, THE KNOW-HOW OF. Wallace Clark....10, 591
INSTRUCTION IN PROFESSIONAL QUALITIES. N. W. Dougherty....10, 581
INTERNATIONAL RELATIONS INVOLVING TRAINING OF STUDENTS FROM FOREIGN LANDS. S. S. Steinberg....4, 258
ITEMS OF INTEREST....5, 349

KNOW-HOW OF INDUSTRY, THE. Wallace Clark....10, 591

LAMME AWARD. Hardy Cross....1, 1
LEGISLATION, ENGINEERING EXTENSION. J. O. Keller....8, 441
LETTER TO THE EDITOR. F. E. Ayer....2, 82
A. E. R. de Jonge....10, 633
LIBERALIZING TECHNICAL EDUCATION. H. P. Hammond....7, 361
LIBRARIANS, REPORT ON ENGINEERING SCHOOL....2, 93
LINEAR FUNCTIONS OF THE LOAD, THE CASTIGLIANO THEOREM AND THE REQUIREMENTS THAT DISPLACEMENTS BE. H. C. Perkins....7, 392
LOST GENERATIONS OF ENGINEERS, THE. W. B. Plank....9, 495
LUMINESCENT MATERIALS, PROPERTIES AND USES OF. L. T. Weagle....7, 387

MACHINE DESIGN CLEARINGHOUSE....1, 77
MACHINE DESIGN INSTRUCTION IN POST-WAR PERIOD. P. H. Black....10, 585
MACHINE TOOL BUILDER'S VIEWPOINT, DISPOSAL OF SURPLUS MANUFACTURING EQUIPMENT FROM THE. W. W. Tangeman....10, 596
MANAGERS, COMPENSATION OF. D. B. Prentice....8, 437
MANUAL OF GRADUATE STUDY IN ENGINEERING....10, 615
MASSACHUSETTS INSTITUTE OF TECHNOLOGY, CURRICULUM REVISIONS AT THE. J. R. Killian....3, 237
MATHEMATICS IN THE UNITED STATES AND IN GERMANY, TEACHING OF. A. Korn....7, 407
MATHEMATICS, AND ELECTRICAL ENGINEERING STAFFS, COÖRDINATION OF PHYSICS. E. A. Guillemin....7, 401
MATHEMATICS, REPORT ON....2, 97
MECHANICAL ENGINEERING DIVISION..8, 482
MECHANICAL ENGINEERING, REPORT ON 2, 98
ACCELERATED PROGRAM IN. D. L. Arm....9, 500
MECHANICS, A PLACEMENT EXAMINATION FOR. W. E. Wilson....9, 537
REPORT ON....2, 99
DIVISION....9, 574
MEETING, CANCELLATION OF....8, 431
MINUTES OF 52ND....1, 24
MINUTES OF COUNCIL....1, 21
OF S.P.E.E., 1945. A. S. Langsdorf.3, 160
MEMBERS OF THE SOCIETY, TO. H. S. Rogers....1, 7
MEMBERS, OF INTEREST TO....4, 284
MICROSCOPE, RCA ELECTRON. P. C. Smith....7, 382

MINERAL TECHNOLOGY, REPORT ON...2, 100
MINUTES, COUNCIL MEETING.....1, 21
ANNUAL MEETING.....1, 24

NAVAL EDUCATION FOR NAVAL OFFICERS, POST-WAR. L. A. DOGGETT.....7, 428
NEW MEMBERS.....1, 78; 3, 239; 5, 347
NECROLOGY:
CHARLES HOMER BAXTER.....3, 245
HARRY FREDERICK BENNETT.....8, 481
EDWARD FRANKLIN BERRY.....5, 346
HERBERT M. DIBERT 10, 584
THOMAS EWING FRENCH.....4, 295
HENRY J. KESNER.....8, 481
CHARLES FELTON SCOTT.....5, 345

PATENTS AND THE CHEMICAL ENGINEER. E. S. Allen.....8, 462
PHOENIX—A CHALLENGE TO ENGINEERING EDUCATION, THE. W. L. EVERITT.....5, 321
PHYSICS, MATHEMATICS, AND ELECTRICAL ENGINEERING STAFFS, COÖRDINATION OF WORK OF. E. A. Guillemin.....7, 401
PHYSICS, REPORT ON.....2, 101
PLACEMENT EXAMINATIONS FOR MECHANICS. W. E. Wilson.....9, 537
POST-WAR PRESSURES IN THE CURRICULA. H. M. Crothers.....2, 81
POST-WAR INDUSTRY, EDUCATION FOR. R. E. Orton.....2, 135
POST-WAR CHALLENGE TO ENGINEERING EDUCATORS. H. S. Rogers.....4, 250
POST-WAR UNDERGRADUATE EVENING EDUCATION. H. R. Beatty.....4, 288
POST-WAR NAVAL EDUCATION FOR NAVAL OFFICERS. L. A. DOGGETT..7, 428
POST-WAR PLANS FOR COÖPERATION BETWEEN ENGINEERING SCHOOLS AND THE AIRCRAFT INDUSTRY. A. S. Levens.....8, 450
POST-WAR EDUCATION FOR FOREIGN STUDENTS. R. C. Disque.....10, 587
POST-WAR CHEMICAL ENGINEERING EDUCATION FROM THE STANDPOINT OF USERS OF CHEMICAL ENGINEERING TALENT. R. B. Willenberg.....9, 515
PRESIDENT, 1944–45. Harry S. Rogers.. 1, 4
PRESIDENTIAL ADDRESS: THE ENGINEERING PROFESSION TOMORROW. Robert E. Doherty.....1, 8
PROFESSIONAL REQUIREMENTS AND GROWTH OF THE TEACHING STAFF IN CHEMICAL ENGINEERING. C. F. Bonilla.....2, 105
PROFESSIONAL QUALITIES, INSTRUCTION IN. N. W. Dougherty.....10, 581
PROPERTIES AND USES OF LUMINESCENT MATERIALS. L. T. Weagle.....7, 387
PRIORITY FOR ENGINEERING, THE COMING. F. V. Geier.....1, 59

RAILROADS, ADAPTATION OF COÖPERATIVE METHOD TO. H. J. Hoglund.7, 414
RAILROADS, DEVELOPMENT OF BETTER COÖPERATIVE RELATIONS BETWEEN UNIVERSITIES AND. R. E. Dougherty.....8, 454
RANDOM IDEAS IN THE TEACHING OF CHEMICAL ENGINEERING. G. W. Gleeson.....9, 530
RCA ELECTRON MICROSCOPE. P. C. Smith.....7, 382
RCA AND INDUSTRIAL ELECTRONICS. F. W. Wentker.....7, 390
RELATIONS WITH INDUSTRY, REPORT ON.....2, 102
REPORTS: ADMINISTRATIVE DIVISION—SEMI-ANNUAL. A. A. Potter.....5, 311
AGRICULTURAL ENGINEERING.....2, 84
CHEMICAL ENGINEERING.....2, 84
ELECTRICAL ENGINEERING.....2, 89
ENGINEERING DRAWING AND DESCRIPTIVE GEOMETRY.....2, 89
ENGINEERING SCHOOL LIBRARIANS...2, 93
ENGLISH.....2, 94
EVENING ENGINEERING EDUCATION..2, 95
GRADUATE STUDY IN ENGINEERING, A MANUAL.....10, 615
INSTRUCTIONAL METHODS AND COMPREHENSIVE EXAMINATIONS.....2, 96
MATHEMATICS.....2, 97
MECHANICAL ENGINEERING.....2, 98
MECHANICS.....2, 99
MINERAL TECHNOLOGY.....2, 100
PHYSICS.....2, 101
RELATIONS WITH INDUSTRY.....2, 102
SECRETARY.....1, 29
SECTIONS AND BRANCHES.....8, 433
TREASURER.....1, 33
RESEARCH CURRICULUM REQUIREMENTS, INDUSTRIAL. G. E. Ziegler.....7, 420
RESEARCH, THE WIND TUNNEL IN UNDERGRADUATE INSTRUCTION AND IN. W. C. Nelson.....7, 368

SCIENTIFIC-TECHNOLOGIC STEM. H. S. Rogers.....1, 43
SCOPE AND AIMS OF CIVILIAN AERO-MEDICAL COURSES AND THEIR RELATION TO ENGINEERING TRAINING. F. R. Stegerda and M. K. Fahnestock.....9, 522
SECRETARY, REPORT OF.....1, 29

SECTIONS AND BRANCHES.....1, 79; 5, 350; Year Book
A CALL TO. H. M. Crothers.....5, 316
SELECTION AND GUIDANCE ASPECTS OF COÖPERATIVE ENGINEERING EDUCATION. R. C. Gowdy.....3, 187
SLIDE RULE APPLICATIONS TO ALGEBRAIC EQUATIONS. A. R. Weber.....9, 507
SOME REVISIONS OF ENGINEERING EDUCATION. Alan Hazeltine.....3, 233
SOME SUGGESTIONS ON TEACHING STRUCTURAL ANALYSIS AND RELATED SUBJECTS. F. R. Shanley.....7, 375
S.P.E.E., HIGHLIGHTS OF HISTORY OF. H. S. Rogers. Year Book
SUMMER SCHOOL FOR TEACHERS OF ENGINEERING DRAWING 1945....2, 155
AND E.C.P.D. INITIATE COÖPERATION IN PROFESSIONAL DEVELOPMENT. I. C. Crawford and C. F. Scott...3, 221
STATUS OF TELEVISION. K. A. Chittick 7, 385
STRUCTURAL ANALYSIS AND RELATED SUBJECTS, SOME SUGGESTIONS ON TEACHING OF. F. R. Shanley....7, 375
SUMMARY, REPORT ON ENGINEERING EDUCATION AFTER THE WAR. H. P. Hammond.....1, 36
SUMMER SCHOOL FOR TEACHERS OF ENGINEERING DRAWING, 1945, S.P.E.E. 2, 155
SURPLUS MANUFACTURING EQUIPMENT FROM THE MACHINE TOOL BUILDER'S VIEWPOINT, DISPOSAL OF. W. W. Tangeman.....10, 596

TEACHING PROFESSIONAL QUALITIES. N. W. Dougherty.....4, 247
TEACHING OF MATHEMATICS IN THE UNITED STATES AND IN GERMANY A. Korn.....7, 407
TEACHING METHODS IN ENGINEERING ANALYSIS. B. R. Teare.....10, 599
TEACHING METHODS IN ENGINEERING APPLICATIONS. F. T. Mavis and F. W. Edwards.....10, 605
DISCUSSION. L. E. Grinter.....10, 610
A. R. Stevenson.....10, 611
TEACHING ENGINEERING JUDGMENT IN MACHINE DESIGN DEVELOPING ABILITIES AS WELL AS TEACHING TECHNIQUES. C. H. Young.....9, 547
DISCUSSION.....9, 553
TECHNICAL EDUCATION, LIBERALIZING. H. P. Hammond.....7, 361
TECHNICAL INSTITUTES.....4, 256
TECHNICAL WRITING AT THE UNIVERSITY OF TEXAS, VISUAL AIDS IN. Jos. Jones.....4, 292
TECHNOLOGY AS ACTION AND SCIENCE N. M. Oboukhoff.....8, 472
TELEVISION, STATUS OF. K. A. Chittick.....7, 385
TEXAS, VISUAL AIDS IN TECHNICAL WRITING AT THE UNIVERSITY OF. Jos. Jones.....4, 292
TREASURER, REPORT OF.....1, 33
T-SQUARE PAGE: IN MEMORIAM. Thomas Ewing French.....4, 295

UNITED STATES AND IN GERMANY, TEACHING OF MATHEMATICS IN. A. Korn.....7, 407
UTILIZATION OF INDUSTRIAL REFERENCE MATERIAL IN AERONAUTICAL ENGINEERING TRAINING. M. J. Thompson.....9, 526

VACATIONS WITH WORK. R. F. Leggett.....8, 445
VELOCITY CONSTRUCTION OF KINEMATIC CHAINS, DIRECT. G. F. Bush...4, 285
VETERANS, ENGINEERING COLLEGES HELP RETURNING. R. L. Sackett 7, 423
VIBRATION, AMPLITUDE OF A STEADY FORCED. H. C. Perkins.....2, 128
VISUAL AIDS IN TECHNICAL WRITING AT THE UNIVERSITY OF TEXAS. Jos. Jones.....4, 292

WAR TIME CONVERSATIONS. A. J. Stowe.....2, 130
WHAT CURRICULUM AND PROCEDURE FOR THE RETURNED SERVICE MAN WITH PARTIAL UNDERGRADUATE EDUCATION? J. S. Prior.....2, 125
WIND TUNNEL IN UNDERGRADUATE INSTRUCTION AND IN RESEARCH. W. C. Nelson.....7, 268
WORK, VACATIONS WITH. R. F. Leggett.....8, 445

Authors' Index, 1944-45

ALLEN, E. S., Patents and the Chemical Engineer....8, 462
ARM, D. L., Acceleration Programs in Mechanical Engineering....9, 500
AYER, F. E., A Letter to the Editor....2, 82

BAILEY, E. G., The Future in Engineering Education....3, 192
BEATTY, H. R., Post-War Undergraduate Evening Education....4, 288
BLACK, P. H., Machine Design Instruction in Post-War Period....10, 585
BLAISDELL, A. H., Comments on the Future of Engineering Education. 3, 205
BONILLA, C. F., Professional Requirements and Growth of the Teaching Staff in Chemical Engineering....2, 105
BRUMBAUGH, A. J., Accrediting of A.S.T.P., E.S.M.W.T., V-12, and Army Institute Credits....4, 262
BRYANS, W. R., Armed Forces Institute and the Problem of Credits Earned Under This and A.S.T. Program..2, 119
BUSH, G. F., Direct Velocity Construction of Kinematics Chains....4, 285

CAMERON, E. H., Science or Transits. 8, 468
CHITTICK, K. A., Status of Television. 7, 385
CLARK, WALLACE., The Know-How of Industry....10, 591
CLEETON, G. U., Carnegie Social Relations Program....2, 146
COLVERT, W. W., A.S.T.P. Experiences 9, 503
CRAWFORD, IVAN C., AND CHAS. F. SCOTT, S.P.E.E. and E.C.P.D. Initiate Cooperation in Professional Development....3, 221
CROSS, HARDY., Lamme Award.... 1, 1
CROTHERS, H. M., A Call to Sections and Branches....5, 316

DAVIDSON, J. B., Agricultural Engineering....3, 227
DE JONGE, A. E. R., Letter to Editor. 10, 653
DISQUE, R. C., Post-War Education of Foreign Students....10, 587
DOGGETT, L. A., Naval Education for Naval Officers....7, 428
DOHERTY, ROBERT E., Presidential Address: The Engineering Profession Tomorrow.... 1, 8
DOUGHERTY, N. W., Editorial....3, 159
Instruction in Professional Qualities 10, 581
DOUGHERTY, R. W., Development of Better Coöperative Relations Between the Universities and the Railroads....8, 454

EDWARDS, F. W., AND F. T. MAVIS, Teaching Methods in Engineering Applications....10, 605
EVERITT, W. L., The Phoenix—A Challenge to Engineering Education..5, 321

FAHNESTOCK, M. K., AND F. R. STEGERDA, Scope and Aims of Civilian Aero-Medical Courses and Their Relation to Engineering Training. 9, 522
FRAZIER, R. H., Comprehensive Examinations....3, 184

GEIER, F. V., The Coming Priority for Engineering....1, 59
GILKEY, H. J., Discussion, Report on Engineering Education After the War....5, 332
GLEESON, G. W., Random Ideas in the Teaching of Chemical Engineering 9, 530
GOWDY, R. C., Selection and Guidance Aspects of Coöperative Engineering Education....3, 187
GRAM, L. M., Engineering—A Profession....2, 114
GRINTER, L. E., Engineering Education Approaches a Crossroads....5, 318
Discussion, Teaching Methods in Engineering Analysis and in Engineering Applications....10, 610
GUILLEMIN, E. A., Coördination of Work in Physics, Mathematics, and Electrical Engineering Staffs....7, 401

HAMILTON, E. P., Author! Author!...3, 212
HAMMOND, H. P., Summary, Report on Engineering Education After the War....1, 36
Liberalizing Technical Education...7, 361
HAZELTINE, ALAN, Some Revisions of Engineering Education....3, 233
HOGLUND, H. J., Adaptation of Coöperative Methods to Railroads....7, 414

JACKSON, D. C., Birthday of an Octogenarian....8, 478
JEWETT, FRANK B., Engineering: Retrospect and Prospect....4, 269
JONES, JOS., Visual Aids in Technical Writing at the University of Texas 4, 292

KELLER, J. O., Engineering Extension Legislation....8, 441
KILLIAN, J. R., Curriculum Revisions at the Massachusetts Institute of Technology....3, 237
KORN, A., Teaching of Mathematics in the United States and in Germany 7, 407

LANGSDORF, A. S., Meeting of S.P.E.E. in 1945....3, 160
LEGGETT, R. F., Vacations with Work. 8, 445
LEVENS, A. S., Post-War Plans for Coöperation Between Engineering Schools and the Aircraft....8, 450
LITTLE, NEIL, On the Derivation of Certain Formulas....8, 470

MAVIS, F. T., AND F. W. EDWARDS, Teaching Methods in Engineering Applications....10, 605
MCEACHRON, K. B., AND A. R. STEVENSON, Education of an Engineer...4, 275

NELSON, W. C., The Wind Tunnel in Undergraduate Instruction and in Research....7, 368
NILES, A. S., Aeronautics Option in Civil Engineering....7, 371

OBOUKHOFF, N. M., Technology as Action and Science....8, 472
ORTON, R. E., Education for Post-War Industry....2, 135

PERKINS, H. C., Amplitude of a Steady Forced Vibration....2, 128
Castigliano Theorem and the Requirement That Displacements Be Linear Functions of the Loads....7, 392
PLANK, W. B., The Lost Generations of Engineers....9, 495
POTTER, A. A., Semi-Annual Report, Administrative Division...5, 311; 8, 432
PRENTICE, D. B., Compensation of Managers....8, 437
PRIOR, J. S., What Curriculum and Procedure for the Returned Service Men with Partial Undergraduate Education?....2, 125
PUTNAM, R. C., British Thinking on Engineering Economy....5, 329

ROGERS, H. S., President, 1944–45....1, 4
To the Members of the Society....1, 7
Scientific-Technologic Stem....1, 43
Post-War Challenge to Engineering Educators....4, 280
Highlights of the History of the Society for the Promotion of Engineering Education. Year Book

SACKETT, R. L., Engineering Colleges Help Returned Veterans....7, 421
Discovery of Engineering Talent....3, 180
SANFORD, Frank, An Economic Consciousness....9, 546
SCOTT, CHAS. F., AND IVAN C. CRAWFORD, S.P.E.E. and E.C.P.D. Initiate Cooperation in Professional Development....3, 221
SEATON, R. A., Accrediting of Agricultural Engineering Curricula....1, 67
SHANLEY, F. R., Some Suggestions on Teaching Structural Analysis and Related Subjects....7, 373
SMITH, L. F., Coöperative Education in Colleges and Universities....7, 395
SMITH, P. C., RCA Electron Microscope....7, 382
STEGERDA, F. R., AND M. K. FAHNESTOCK, Scope and Aims of Civilian Aero-Medical Courses and Their Relation to Engineering Training. 9, 522
STEINBERG, S. S., International Relations Involving Training of Students from Foreign Lands....4, 258
STEVENSON, A. R., AND K. B. MCEACHRON, Education of an Engineer...4, 275
Discussion, Teaching Methods in Engineering Analysis and in Engineering Applications....10, 611
STOWE, A. J., War Time Conversations 2, 130

TANGEMAN, W. W., Disposal of Surplus Manufacturing Equipment from the Machine Tool Builder's Viewpoint....10, 596
TEARE, B. R., Teaching Methods in Engineering Analysis....10, 599
THOMPSON, M. J., Utilization of Industrial Reference Material in Aeronautical Training....9, 526

VAUGHN, K. W., Basic Considerations in a Program of Freshman Evaluation....3, 161

WALTERS, RAYMOND, Address....1, 15
WEBER, A. R., Slide Rule Applications to Algebraic Equations....9, 507

WEAGLE, L. T., Properties and Uses of Luminescent Materials.....7, 387
WENTKER, F. W., RCA and Industrial Electronics.....7, 390
WICKENDEN, W. E., Humanistic-Social Stem.....1, 45
WILKINSON, F. L., The Case for the Five-Year Curriculum.....10, 577
WILLENBERG, R. B., Post-War Chemical Engineering Education from the Standpoint of Users of Chemical Engineering Talent.....9, 515
WILSON, W. E., Placement Examinations for Mechanics.....9, 537

YOUNG, C. HIGBIE, Teaching Engineering Judgment in Machine Design Developing Abilities as Well as Teaching Techniques.....9, 547

ZIEGLER, G. E., Industrial Research Curriculum Requirements.....7, 420